

---

## ADMIN PROCEDURES AND WORK INSTRUCTIONS

**Label :**

**Definition** Information about rules, work methods, regulations, permits, work orders, maintenance and isolation procedures.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## AS-BUILT DOCUMENTS

**Label :**

**Definition** Site plans, detailed equipment descriptions, electrical instrument diagrams, and P&I diagrams that record the as built conditions of a Plant. They aid in meeting government documentation and safety requirements. Frequently, they are simply corrections or mods to existing design documents delivered to construction.

---

**Super Class :**

CONSTRUCTION DOCUMENTATION

**Sub Class :**

<none>

---

## AUTHORIZATION PLAN

**Label :**

**Definition** High level plan, justification, and forecast for design and construction of a Plant. The authorization plan describes how funds, people, and resources are to be allocated for the plant project. It is a document used internally; it is sometimes called a 'white paper'.

---

**Super Class :**

BUSINESS DIRECTIVES

**Sub Class :**

<none>

---

## AVAILABILITY REQUIREMENTS

**Label :**

**Definition** The result of determining the status of existing plant while producing conceptual engineering design.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## BASIC LAWS

**Label :**

**Definition** Those elements of natural and human laws affecting any activity in the life cycle of a process plant. These may include operating rules and guidelines as established by federal regulatory agencies such as the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA), and the Food and Drug Administration (FDA).

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
<none>

---

## BRITISH STANDARD

**Label :** BS

**Definition** Standard issued by the British Standardisation Institute.

---

**Super Class :**  
STANDARD

**Sub Class :**  
<none>

---

## BUSINESS DIRECTIVES

**Label :** IDEF\_0 AAM

**Definition** A set of company specific controls and requirements imposed on the performance of process plant life cycle activities.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
PROCUREMENT DIRECTIVES  
CONSTRUCTION AND COMMISSIONING DIRECTIVE  
OPERATION DATA AND DIRECTIVES  
MAINTENANCE DIRECTIVES  
DISPOSAL DIRECTIVES  
AUTHORIZATION PLAN

---

## CAPITAL APPROPRIATION

**Label :**

**Definition** Authorization of funding for capital project or expenditure.

---

**Super Class :**

PROJECT AUTHORIZATIONS/CONTROLS

**Sub Class :**

<none>

---

## CAUSE AND EFFECT CHARTS

**Label :**

**Definition** Information about the relation between cause and effect functions (mainly related to instrument shutdown systems).

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## CERTIFICATES

**Label :**

**Definition** Information normally associated with certification such as certificates needed for re-certifying, Ex-certificates, material certificates, calibration certificates, product certificates, certificates of conformity etc. Tracking of certificates.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## CHANGE REQUEST

**Label :**

**Definition** A request made by user of data (other than engineering user) for changes to original process plant design due to errors, omissions, and or other reasons (e.g., new requirements). A request is followed by review, analysis, and approval. Change requests are tracked in terms of cost and schedule (a kind of mini project within project). Change requests may originate from construction or operations, for example.

Changes requests may be made against:

---

**Super Class :**

ENGINEERING DESIGN, CONSTRUCTION, AND OPERATION CHANGES

**Sub Class :**

<none>

---

## CODES

**Label :**

**Definition**     A widely recognized, accepted, and sometimes legally mandated set of rules that apply during the life cycle of the Plant. These rules govern life cycle activities such as design, fabrication, and operation and characteristics such as safety. Codes are consensus documents / specifications and are sometimes a subset of regulatory requirements. The ANSI 31.x series of codes are an example.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
<none>

---

## COMMISSIONING PHILOSOPHY

**Label :**

**Definition**     Statement of the rules and sequences for commissioning.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
RULES AND SEQUENCES

---

## COMMISSIONING PROCEDURES

**Label :**

**Definition**     Step by step explanation of start up actions required to commission Plant.

---

**Super Class :**  
CONSTRUCTION DOCUMENTATION

**Sub Class :**  
<none>

---

## COMPANY REQUIREMENTS

**Label :**

**Definition**     Those managerial decisions that place constraints on the operations of the company, that give direction or emphasis on areas for development, or that dictate decisions outside the local decision making paths. The embodiment of policies and regulations that govern the operations of a company.

---

**Super Class :**

REQUIREMENTS

**Sub Class :**  
<none>

---

## COMPUTER AIDED DESIGN

**Label :**

**Definition** Drawings (2D and 3D vector) and CAD (2D and 3D), and the relationship between the graphical representation (symbols) and the underlying information they represent.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## CONCEPTUAL MECHANICAL ENGINEERING DESIGN

**Label :**

**Definition** The preliminary mechanical engineering design of a Plant.

---

**Super Class :**  
DOCUMENT TYPE  
**Sub Class :**  
<none>

---

## CONCEPTUAL SAFETY ENGINEERING DESIGN DESIGN STRATEGY

**Label :**

**Definition** The design strategy established for the conceptual safety design in order to meet regulatory requirements and conform to the codes and standards in force.

---

**Super Class :**  
ENGINEERING DESIGN STRATEGY  
**Sub Class :**  
<none>

---

## CONSTRUCTION AND COMMISSIONING DIRECTIVE

**Label :** IDEF\_0 AAM

**Definition** A set of controls and requirements that constrain the construction and pre-commissioning activities.

---

**Super Class :**  
BUSINESS DIRECTIVES  
**Sub Class :**  
<none>

---

## CONSTRUCTION DESIGN SPECIFICATION

**Label :**

**Definition** A document containing detailed construction drawings, plant layout, equipment lists, isometric models, piping and instrumentation diagrams (P&ID), and specifications for the construction phase of the project. The construction design specification is a contractual document that gives the criteria and standards to be used in the construction of the plant including precommissioning, acceptance and approval, and testing procedures.

---

**Super Class :**  
SPECIFICATIONS  
**Sub Class :**  
<none>

---

## CONSTRUCTION DOCUMENTATION

**Label :**

**Definition** All documentation related to the construction of the process plant including as built reports, equipment certification, nameplate information of installed equipment, operating manuals, testing procedures, field changes, and photographs of as built units, modules, and plant.

---

**Super Class :**  
DOCUMENT TYPE  
**Sub Class :**  
PLANT SAFETY AND SECURITY PROCEDURES  
MAINTENANCE PROCEDURES  
EQUIPMENT PROCEDURES  
COMMISSIONING PROCEDURES  
AS-BUILT DOCUMENTS

---

## CONTAINMENT PHILOSOPHY

**Label :**

**Definition** Definitions of the underlying rules for the plant containment design developed from the regulatory requirements and the early process definitions.

---

**Super Class :**  
DOCUMENT TYPE  
**Sub Class :**  
<none>

---

## CORPORATE STANDARDS

**Label :**

**Definition** Procedures, instructions, or specifications that may be used in the execution of a plant project and are standardized within an organization; they are not project specific, but may be used (and possibly customized) by a variety of projects. Corporate standards are developed over a long period of time as standard, recommended, or best practice. Kinds of standards include: safety, design, maintenance.

---

**Super Class :**  
STANDARD  
**Sub Class :**  
<none>

---

## COST AND TIME ESTIMATES

**Label :**

**Definition** Project plans and budgets for capital and design and engineering costs

---

**Super Class :**  
DOCUMENT TYPE  
**Sub Class :**  
<none>

---

## COST CLASSES

**Label :**

**Definition** Identification of types of facility, equipment, materials, resources, personnel, and activities, for the purpose of cost estimation and control.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## DATA SHEETS

**Label :**

**Definition**     Detailed technical information about equipment e.g. pipe diameter.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## DELIVERY DATES

**Label :**

**Definition**     Scheduled date for delivery of procured items to meet or support construction.

---

**Super Class :**

SCHEDULES

**Sub Class :**

<none>

---

## DESIGN BASIS

**Label :**

**Definition**     A document provided by the Plant owner or developed by the AEC contractors which establishes or defines the information/data on which Plant engineering is to be based. It consists of guidelines/requirements, corporate standards, codes, references to regulatory agreements, form of deliverables, plant/production capacity. The design basis will specify:  
Type of plant;  
Plant product or output (type and capacity);

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

UNIT OPERATIONS

---

## DESIGN ENGINEERING DIRECTIVES

**Label :**            IDEF\_0 AAM

**Definition**     A set of company specific controls and requirements that constrain the design and engineering activities.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>



---

## DESIGN SAFETY PHILOSOPHY

**Label :**

**Definition**     The conceptual safety design philosophy that will meet regulatory requirements and conform to the codes and standards in force.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## DISPOSAL DATA

**Label :**            IDEF\_0 AAM

**Definition**     All information related to the disposal of the process plant.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## DISPOSAL DIRECTIVES

**Label :**            IDEF\_0 AAM

**Definition**     A set of controls and requirements that constrain the activities related to the disposal of a process plant.

---

**Super Class :**

BUSINESS DIRECTIVES

**Sub Class :**

<none>

---

## DOCUMENT CATALOGUE

**Label :**

**Definition**     The simple document lists plus linking of documents to equipment, facilities, work packs, work orders, procedures and tasks, manufacturer and supplier information, as appropriate for particular document types. Includes definition of document types.

---

**Super Class :**

**Sub Class :**

<none>

---

## DOCUMENT TYPE

**Label :**

**Definition**      Contains text and/or graphics on paper or electronic format which provides an official record or evidence about something.

---

**Super Class :**

INFORMATION CONTENT CLASS

**Sub Class :**

STANDARD  
SCHEMATIC DIAGRAMS  
SPECIFICATIONS  
BUSINESS DIRECTIVES  
LEGAL REGULATORY AND SOCIAL CONSTRAINTS  
DESIGN ENGINEERING DIRECTIVES  
DESIGN BASIS  
VENDOR DATA  
DISPOSAL DATA  
SITE INFORMATION  
REGULATORY AGREEMENTS  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
CODES  
REQUIREMENTS  
CONSTRUCTION DOCUMENTATION  
BASIC LAWS  
PROJECT CONTROL AND APPROVAL DOCUMENTATION  
SAFETY COMPLIANCE REPORT  
SAFETY HAZOPS ANALYSIS  
PROJECT FINANCIAL PLAN  
SCHEDULES  
PROJECT AUTHORIZATIONS/CONTROLS  
TIME/COST ESTIMATES  
EQUIPMENT LIST  
STREAM DATA  
REGULATORY AUTHORIZATIONS  
ENVIRONMENTAL IMPACT ASSESSMENT  
OPERATING PROCEDURES  
PROJECT SPECIFIC PROCEDURES/STANDARDS/GUIDELINES/SPECIFICATIONS  
STATUS  
VENDOR SUPPLIERS LIST  
VENDOR INSPECTION RESULTS  
PLANT OPERATION/MAINTENANCE DOCUMENTATION  
ENGINEERING DESIGN, CONSTRUCTION, AND OPERATION CHANGES  
RESOURCES  
EQUIPMENT PROCESS REQUIREMENTS  
SAFETY SYSTEM SPECIFICATION  
HEAT/MASS BALANCE  
ENGINEERING DESIGN STRATEGY  
OPERATING PHILOSOPHY  
AVAILABILITY REQUIREMENTS  
ENGINEERING PHILOSOPHY  
DESIGN SAFETY PHILOSOPHY  
CONTAINMENT PHILOSOPHY

CONCEPTUAL MECHANICAL ENGINEERING DESIGN  
EQUIPMENT DESIGN PHILOSOPHY  
COST AND TIME ESTIMATES  
PRELIMINARY WEIGHT AND VOLUME ESTIMATES  
COMMISSIONING PHILOSOPHY  
PHYSICAL PROPERTIES

---

## END REQUIREMENTS

**Label :**

**Definition** Requirements the process must satisfy. Identify potential processes for meeting the overall requirements.

---

**Super Class :**  
REQUIREMENTS

**Sub Class :**  
<none>

---

## ENGINEERING DESIGN STRATEGY

**Label :**

**Definition** The 'how to' for the design. It encompasses building technology, mechanical technology, utility technology, automation technology, schedules, scope, standards and regulations, process definition control philosophies, costs, benefits and timings, and project approach (AE, CM, internal).  
Design strategy is a description of major steps required to complete enough design to obtain a budget estimate for business calculations as well as begin the identification of process unknowns which may or may not require piloting.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
CONCEPTUAL SAFETY ENGINEERING DESIGN DESIGN STRATEGY

---

## ENGINEERING DESIGN, CONSTRUCTION, AND OPERATION CHANGES

**Label :**

**Definition** Changes to the design of the plant arising from errors, omissions, new requirements, or other reasons during plant design, construction, or operation.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
CHANGE REQUEST

---

## ENGINEERING PHILOSOPHY

**Label :**

**Definition**    The engineering policies to be used including the appropriate procedures, codes, standards, guidelines, and specifications that may apply.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## ENQUIRY DOCUMENTS

**Label :**

**Definition**    Information about the equipment, materials and service requirements. Includes the contractual conditions that will apply to the eventual purchase order.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## ENVIRONMENTAL IMPACT ASSESSMENT

**Label :**

**Definition**    Evaluation of project/plant's affect on the environment. A report is usually required by an environmental regulatory agency before construction can begin.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## EQUIPMENT & MATERIALS CATALOGUES

**Label :**

**Definition**    Equipment & materials specifications, availability & prices, spare parts lists.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## EQUIPMENT DESIGN PHILOSOPHY

**Label :**

**Definition** Statement of the rules and sequences for the design of the major equipment developed from the process definition and the project plans.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## EQUIPMENT LAYOUTS

**Label :**

**Definition** Location of equipment using 2D or 3D co-ordinate systems.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## EQUIPMENT LIST

**Label :**

**Definition** A list of equipment in the process plant. List is comprised of, but not limited to, name, identifier (e.g., tag), location (e.g., building, elevation, area, column row), contract numbers (e.g., purchase, install), spare requirements, service requirements (e.g., air, water, structural base, electrical power, control circuitry), drawing references (e.g., P&I diagrams, plant arrangements) and if applicable, electrical load and type. The list may not include all equipment; it does not include miscellaneous equipment/devices (e.g., y pattern strainers, inline flow meters, instruments) or valves.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## EQUIPMENT PROCEDURES

**Label :**

**Definition** Equipment procedures for installation, commissioning, operation and maintenance.

---

**Super Class :**

**Sub Class :**  
<none>

---

## EQUIPMENT PROCESS REQUIREMENTS

**Label :**

**Definition** This requirements describes the contribution to the process desired from equipment. Such data is specified prior to the actual selection of specific equipment to fulfill the purpose.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
<none>

---

## EQUIPMENT SPECIFICATION

**Label :**

**Definition** A detailed description of features in the technical requirements, design or composition of an equipment.

---

**Super Class :**  
SPECIFICATIONS

**Sub Class :**  
<none>

---

## EQUIPMENT/MATERIAL/ /LOAD/LINE LISTS

**Label :**

**Definition** Identification and description of equipment, material, electrical lines and pipes.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**  
<none>

---

## FABRICATION SPECIFICATION

**Label :**

**Definition**     A detailed description of features in the technical requirements for a fabrication process.

---

**Super Class :**  
SPECIFICATIONS  
**Sub Class :**  
<none>

---

## FIRE INFORMATION

**Label :**

**Definition**     Fire Area information and location of ignition sources within fire areas. Fire protection data sheets.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## GENERAL ARRANGEMENT

**Label :**         GA

**Definition**     Document containing graphic representation of shape or layout.

---

**Super Class :**  
SCHEMATIC DIAGRAMS  
**Sub Class :**  
<none>

---

## GEOMETRY DRAWINGS

**Label :**

**Definition**     Information about shape and geometry.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## HAZARDOUS MATERIALS

**Label :**

**Definition** Information on hazardous nature of material which equipment may be constructed from, may process, or may use. Information to be linked to work permits and safety incidents.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## HEAT/MASS BALANCE

**Label :**

**Definition** the results from calculations performed based on Design Basis, Unit operations, Fuel and/or Materials in the process, along with associated chemical properties to optimize Plant and operational cost.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## INFORMATION CONTENT CLASS

**Label :**

**Definition** The meaning that can be derived from some external representation of information.

The Main Class for Information Content Classes

---

**Super Class :**

<none>

**Sub Class :**

DOCUMENT TYPE

---

## INSTRUMENT LOOP DIAGRAMS

**Label :**

**Definition** Basic information about measurement, control and actuator functions and their interconnection (cabling, junction boxes, etc.).

---

**Super Class :**



**Sub Class :**  
<none>

---

## INTERFACE DRAWINGS

**Label :**

**Definition** Information about physical equipment connections including the location of the connections, connections types, dimensions etc.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## INTERNATIONAL STANDARD

**Label :**

**Definition** A standard issued by the International Standardisation Organisation.

---

**Super Class :**  
STANDARD  
**Sub Class :**  
<none>

---

## ISOMETRIC DRAWINGS

**Label :**

**Definition** Basic information about pipes, valves, reducers etc. and how they are interconnected and located using a 2D or 3D co-ordinate system, excluding the graphical representation.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## LEGAL REGULATORY AND SOCIAL CONSTRAINTS

**Label :** IDEF\_0 AAM

**Definition** All controls or requirements imposed by governmental and regulatory bodies and society that constrain or influence the life cycle activity of a process plant.

---

**Super Class :**  
DOCUMENT TYPE

**Sub Class :**  
<none>

---

## LINE SCHEDULE/LIST

**Label :**

**Definition** A subset of information presented on the P&I diagram (and possibly the Heat/Mass balance) that describes the characteristics of pipelines required for a given process. This information is used by the Piping Designer during the Detail Design. Analogous to equipment list.

---

**Super Class :**  
SPECIFICATIONS

**Sub Class :**  
<none>

---

## LOGIC AND SEQUENCE DRAWINGS

**Label :**

**Definition** Information related to instrument and electrical software functions, but not the graphical representation.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**  
<none>

---

## LOGISTIC SCHEDULES

**Label :**

**Definition** Information concerning transport facilities and the movement and location of materials and personnel.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**  
<none>

---

## LOGISTICS

**Label :**

**Definition** Information on location and movement of equipment and personnel, both on the platform and between platform and beach. Includes scheduling of helicopters and supply ships.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## MAINTENANCE & INSPECTION RESULTS

**Label :**

**Definition** Updated equipment records, record of resources consumed, updated maintenance & inspection program/plan.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## MAINTENANCE DIRECTIVES

**Label :** IDEF\_0 AAM

**Definition** A set of controls and requirements that constrain the maintenance activities.

---

**Super Class :**

BUSINESS DIRECTIVES

**Sub Class :**

<none>

---

## MAINTENANCE PROCEDURES

**Label :**

**Definition** Information for performing tasks relating to such as routine, preventative, inspection and corrective maintenance activities.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
CONSTRUCTION DOCUMENTATION

**Sub Class :**  
<none>

---

## MAINTENANCE STRATEGIES

**Label :**

**Definition**      Information related to strategies for handling of maintenance for such as breakdown or shutdown.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## MATERIAL COMPOSITION

**Label :**

**Definition**      Detailed information on composition of material out of which equipment is made.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## MATERIAL REQUISITIONS

**Label :**

**Definition**      Description and quantity of materials to be procured, excluding cost information.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## MATERIAL SPECIFICATION

**Label :**

**Definition**     A detailed description of features in the technical requirements, design or composition of a material substance.

---

**Super Class :**  
SPECIFICATIONS  
**Sub Class :**  
<none>

---

## MATERIAL STOCK INFORMATION

**Label :**

**Definition**     Information about stock levels, purchase requests, check stock against equipment and materials requirements for maintenance and inspection. Information about utility material consumption (seawater, diesel fuel, heating medium).

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## MATERIAL STOCK STRATEGY

**Label :**

**Definition**     A strategy for holding stock required for maintenance.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## NORSOK STANDARD

**Label :**

**Definition**     Standard issued by the NORSOK group "Norsk Søkkel Konkurransesposisjon" (Norwegian Initiative to reduce cost on of offshore projects).

---

**Super Class :**  
STANDARD  
**Sub Class :**  
NORSOK STANDARD L CR 001

---

## NORSOK STANDARD L CR 001

**Label :** L-CR-001

**Definition** Norsok Standard L-CR-001 for Common requirement PIPING AND VALVES

---

**Super Class :**

NORSOK STANDARD

**Sub Class :**

<none>

---

## NORSOK STANDARD M CR 630

**Label :** M-CR-630

**Definition** Norsok Standard M-CR-630 for Common requirement MATERIAL DATA SHEET FOR PIPING

---

**Super Class :**

NORSOK STANDARD

**Sub Class :**

<none>

---

## NORWEGIAN STANDARD

**Label :** NS

**Definition** Standard issued by the Norwegian Technical Standardisation Organisation.

---

**Super Class :**

STANDARD

**Sub Class :**

<none>

---

## OPERATING PHILOSOPHY

**Label :**

**Definition** The Plant owner's operational goals, such as Methods of Production, Technology, Plant Safety, and Plant Availability.  
Includes types and sequences of unit operations and processing steps so that the Plant production objectives can be achieved. Specify alternate or abnormal operating conditions and procedures such as startup and shutdowns.

---

**Super Class :**  
DOCUMENT TYPE  
**Sub Class :**  
<none>

---

## OPERATING PROCEDURES

**Label :**

**Definition** Documentation necessary to run Plant safely; it covers many different phases and aspects of Plant operation.

---

**Super Class :**  
DOCUMENT TYPE  
**Sub Class :**  
<none>

---

## OPERATION DATA AND DIRECTIVES

**Label :** IDEF\_0 AAM

**Definition** A set of controls, requirements and data that constrain the operation activities.

---

**Super Class :**  
BUSINESS DIRECTIVES  
**Sub Class :**  
<none>

---

## OPERATIONS PLAN AND SCHEDULE

**Label :**

**Definition** Operating modes or standard ways in which the plant should operate so that plans can be based on these standard operating modes. Detailed plan for the operation of the plant in the immediate future.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## ORGANISATION CHARTS

**Label :**

**Definition** Basic information about organisational units and their relations.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## OTHER INFORMATION ON EQUIPMENT

**Label :**

**Definition** Drawings, certification, equipment inspection results, records for each item of equipment, working conditions requirements.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## OWNER REQUIREMENTS

**Label :**

**Definition** An initial statement of Plant requirements provided by the owner. It is an aggregation of items such as design requirements, and client general specifications.

---

**Super Class :**

REQUIREMENTS

**Sub Class :**

<none>

---

## P AND I DIAGRAM

**Label :** P&ID

**Definition** Piping and Instrument Diagram. Document containing graphic representation of system.

---

**Super Class :**

SCHEMATIC DIAGRAMS

**Sub Class :**

<none>



---

## PACKAGE SPECIFICATION

**Label :**

**Definition**     A detailed description of features in the technical requirements, design or composition of a procurement package.

---

**Super Class :**

SPECIFICATIONS

**Sub Class :**

<none>

---

## PERSONNEL SKILLS/COMPETENCE

**Label :**

**Definition**     Information on personnel skills and competence to perform or supervise work. Information about training and certification.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## PHYSICAL PROPERTIES

**Label :**

**Definition**     Important chemical data needed by the Process Engineer during design. This data will typically include, but is not limited to:  
Boiling Point; Critical Pressure; Critical Temperature; Density; Enthalpy; Entropy; Flash Point; Heat of Vaporization; Melting Point; Molecular Weight; Specific Heat; Thermal Conductivity; Viscosity.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## PIPING & INSTRUMENT DIAGRAMS

**Label :**

**Definition**     Information about functions (valves, instruments, pipes etc.) and how they are related, excluding the graphical representation.

---

**Super Class :**

**Sub Class :**

<none>

---

## PLANT OPERATION/MAINTENANCE DOCUMENTATION

**Label :**

**Definition**     The collection of all documents relating to the operation and maintenance of process plant. This includes operating records and plant data, safety and accident reports, maintenance reports, disposal records for all residual materials generated during the operation of the plant, and economic information related to product sales.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## PLANT SAFETY AND SECURITY PROCEDURES

**Label :**

**Definition**     Procedures that will ensure that the plant is operated in a safe manner at all times, and that the security of the plant is not breached at any time.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
CONSTRUCTION DOCUMENTATION

**Sub Class :**

<none>

---

## PLANT SAFETY MANAGEMENT REPORT

**Label :**

**Definition**     Ensure that the safety case for the plant properly reflects the state and operation of the plant, and to revise the safety case when this is appropriate.

---

**Super Class :**

SAFETY COMPLIANCE REPORT

**Sub Class :**

<none>

---

## PLANT STATUS

**Label :**

**Definition** Plant configuration, process conditions, plant performance, as built & as modified drawings, plant availability requirements. Identification of installation history of equipment. Equipment and cable locations and routing.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Label :**

**Definition** Examples of documents referred to in RFC 96.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

EQUIPMENT/MATERIAL/ /LOAD/LINE LISTS  
SIMPLE DOCUMENT LISTS  
DOCUMENT CATALOGUE  
PROCESS FLOW DIAGRAM (PFD)  
PIPING & INSTRUMENT DIAGRAMS  
EQUIPMENT LAYOUTS  
INTERFACE DRAWINGS  
TYPICAL DESIGN DRAWINGS  
DATA SHEETS  
MATERIAL REQUISITIONS  
SCHEMATIC AND CONNECTION DIAGRAMS  
INSTRUMENT LOOP DIAGRAMS  
CAUSE AND EFFECT CHARTS  
ISOMETRIC DRAWINGS  
ADMIN PROCEDURES AND WORK INSTRUCTIONS  
LOGISTIC SCHEDULES  
ORGANISATION CHARTS  
PURCHASE ORDERS  
SKETCHES/SHOP DRAWINGS  
CERTIFICATES  
LOGIC AND SEQUENCE DRAWINGS  
GEOMETRY DRAWINGS  
COMPUTER AIDED DESIGN  
OPERATIONS PLAN AND SCHEDULE  
PLANT SAFETY AND SECURITY PROCEDURES  
SAFETY REPORTING AND CLASSIFICATION  
FIRE INFORMATION  
PLANT STATUS  
MAINTENANCE STRATEGIES  
MAINTENANCE PROCEDURES  
MAINTENANCE & INSPECTION RESULTS  
WORK MANAGEMENT  
LOGISTICS

PERSONNEL SKILLS/COMPETENCE  
EQUIPMENT & MATERIALS CATALOGUES  
MATERIAL COMPOSITION  
HAZARDOUS MATERIALS  
EQUIPMENT PROCEDURES  
OTHER INFORMATION ON EQUIPMENT  
SUPPLIERS LISTS  
SUPPLIER PERFORMANCE INFORMATION  
ENQUIRY DOCUMENTS  
PURCHASE ORDER  
PRODUCTION INFORMATION  
PROCESS STREAM DATA  
MATERIAL STOCK STRATEGY  
MATERIAL STOCK INFORMATION  
COST CLASSES

---

## PRELIMINARY WEIGHT AND VOLUME ESTIMATES

**Label :**

**Definition**     Weight and volume estimates on the plant list for use in conceptual plant layout and civil / structural design.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## PROCESS CONTROL LOGIC

**Label :**

**Definition**     Prose/diagrammatic explanation of mechanisms/systems that monitor and control a process.

---

**Super Class :**

SCHEMATIC DIAGRAMS

**Sub Class :**

<none>

---

## PROCESS FLOW DIAGRAM (PFD)

**Label :**

**Definition**     A graphical document describing the equipment limits and their interconnections, major process control functions, and major stream characteristics including physical and transport properties, material flows, and energy flows.

---

**Super Class :**

SCHEMATIC DIAGRAMS

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**  
<none>

---

## PROCESS STREAM DATA

**Label :**

**Definition** Information about the flow of materials (rates, pressures, network flow topology etc.), and the flowing behaviour of the material (viscosity, composition, PVT etc.)

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## PROCUREMENT DIRECTIVES

**Label :** IDEF\_0 AAM

**Definition** A set of controls and requirements that constrain the procurement activities.

---

**Super Class :**  
BUSINESS DIRECTIVES  
**Sub Class :**  
<none>

---

## PRODUCTION INFORMATION

**Label :**

**Definition** Information regarding production, including allocation between partners/fields, common pipelines, regulatory information.

---

**Super Class :**  
POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS  
**Sub Class :**  
<none>

---

## PROJECT AUTHORIZATIONS/CONTROLS

**Label :**

**Definition** Management authorization, imperatives, directives, and procedures for initiating and executing project activities.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

CAPITAL APPROPRIATION

---

## PROJECT CONTROL AND APPROVAL DOCUMENTATION

**Label :**

**Definition** A set of documents that define the standard procedures, standard software modules, or standard forms adopted to ensure that all activities in the project comply with organizational constraints. The constraints include financial limitations, accounting, legal and regulatory restrictions, socioeconomic factors, and business practices throughout the plant life cycle. The documents indicate how all activities are to be implemented and approved and identify all constraints that must be met.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## PROJECT FINANCIAL PLAN

**Label :**

**Definition** Plan that states how much the Plant will cost to construct, how it is to be paid for, all when payments are to be made. It is a general financing and cash flow plan.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## PROJECT SPECIFIC PROCEDURES/STANDARDS/GUIDELINES/SPECIFICATIONS/CODES

**Label :**

**Definition** Procedures, Standards, Guidelines, Specifications, and Codes created specifically for the Plant project. They may call out and add to, modify, or tailor a standard. Portions are derived from design basis.

Project specific procedures, standards, guidelines, specifications, and codes evolve through stages like P&I diagrams and other design documentation.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## PURCHASE ORDER

**Label :**

**Definition** Purchase documentation (from the equipment, material and service requirements) and final conditions of contract.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## PURCHASE ORDERS

**Label :**

**Definition** All information necessary for procurement of materials, with the exception of quantity and description of material

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## REGULATORY AGREEMENTS

**Label :** IDEF\_0 AAM

**Definition** Mutual agreement between owner/operators and regulatory agencies

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## REGULATORY AUTHORIZATIONS

**Label :**

**Definition** Approval from regulatory agencies to initiate activities.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## REGULATORY REQUIREMENTS

**Label :**

**Definition** Federal, state, or local laws, codes, or standards that impact various activities related to the process Plant. Regulatory requirements may apply to, but are not limited to, permitting, engineering, construction, operations and decommissioning.

---

**Super Class :**

REQUIREMENTS

**Sub Class :**

<none>

---

## REQUIREMENTS

**Label :**

**Definition** Requirements issued by persons or organisations

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

OWNER REQUIREMENTS  
REGULATORY REQUIREMENTS  
COMPANY REQUIREMENTS  
END REQUIREMENTS  
START CONDITIONS

---

## RESOURCES

**Label :**

**Definition** Technology, people, facilities and money.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>



---

## RULES AND SEQUENCES

**Label :**

**Definition**     An outline statement of the rules and sequences for commissioning.

---

**Super Class :**

COMMISSIONING PHILOSOPHY

**Sub Class :**

<none>

---

## SAFETY COMPLIANCE REPORT

**Label :**

**Definition**     Documentation of analyses and evaluations of Plant with respect to safety considerations.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

PLANT SAFETY MANAGEMENT REPORT

---

## SAFETY HAZOPS ANALYSIS

**Label :**

**Definition**     The results of the analysis of the Plant design with respect to safety ant hazardous operations. Identifies possible causes of faults and consequences, and recommends remedies.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

TECHNICAL RISK ASSESSMENT

---

## SAFETY REPORTING AND CLASSIFICATION

**Label :**

**Definition**     Reporting and classification of safety incidents, linked to the work, equipment and facilities at the time of the incident.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## SAFETY SYSTEM SPECIFICATION

**Label :**

**Definition** Job specific specifications related to Plant safety. May be developed from applying the design safety philosophy to Plant design.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## SCHEDULES

**Label :**

**Definition** A time based list of project tasks that describes: what is supposed to happen; when it is supposed to happen; task sequence and dependencies; restraint and constraints; float; critical path.  
Kinds of schedules include:  
required on site; planned.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

DELIVERY DATES

---

## SCHEMATIC AND CONNECTION DIAGRAMS

**Label :**

**Definition** Information about instrument and electrical functions and their interconnections, excluding the graphical representation.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## SCHEMATIC DIAGRAMS

**Label :**

**Definition** A physically non dimensional, 2D graphical representation of the logical/functional design of a system that do not (necessarily) encompass physical information.  
Examples include: PFD; P&I diagram; electrical single line; motor control; control loops; HVAC; plumbing; I/O.  
Schematic diagrams evolve through stages like P&I diagrams and other design documentation.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

P AND I DIAGRAM  
GENERAL ARRANGEMENT  
PROCESS FLOW DIAGRAM (PFD)  
SYSTEM LAYOUT/DESIGN  
PROCESS CONTROL LOGIC

---

## SIMPLE DOCUMENT LISTS

**Label :**

**Definition** Document management information, for the lifecycle of a document, including generation, authorisation, distribution, revision, disposal. This covers information about the document itself, not how it relates to other information.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## SITE INFORMATION

**Label :**

**Definition** Information about the physical location where the Plant will be constructed and the conditions of any Plant on the site (if one exists).  
It includes:  
geological data, such as before and after terrain contours, and subterranean structure, and seismic activity;  
meteorological data such as seasonal wind profile, precipitation, snowfall, ambient temperature, and such;  
road data;

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## SKETCHES/SHOP DRAWINGS

**Label :**

**Definition** Additional information prepared for installation, construction etc., but not the graphical representation.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## SPECIFICATIONS

**Label :**

**Definition**     A detailed description of features in the design or composition of a material, facility or activity. A requirement or piece of information which is clearly stated.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

MATERIAL SPECIFICATION

FABRICATION SPECIFICATION

EQUIPMENT SPECIFICATION

PACKAGE SPECIFICATION

CONSTRUCTION DESIGN SPECIFICATION

LINE SCHEDULE/LIST

SYSTEM SPECIFICATIONS

---

## STANDARD

**Label :**

**Definition**     Document describing something which is usual and normal rather than being special or extra.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

INTERNATIONAL STANDARD

NORSOK STANDARD

BRITISH STANDARD

NORWEGIAN STANDARD

CORPORATE STANDARDS

---

## START CONDITIONS

**Label :**

**Definition**     Start conditions for the conceptual process design, including:

- The definition of the battery limits.
- Identification of the status of any existing plant and the performance characteristics of its processes.

---

**Super Class :**

REQUIREMENTS

**Sub Class :**

<none>

---

## STATUS

**Label :**

**Definition**     A report of the current state of a task, design, action, or schedule. It is a quality assurance feedback mechanism

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## STREAM DATA

**Label :**

**Definition**     Chemical composition, physical state, and mass quantities of process flows. Part of a PFD.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## SUPPLIER PERFORMANCE INFORMATION

**Label :**

**Definition**     Supplier performance and contract progression against promised delivery and required on site dates.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## SUPPLIERS LISTS

**Label :**

**Definition**     Records of potential suppliers of equipment, materials & services including information on pre-qualifications, range of goods and services available etc.. Bidders list for the required goods and services.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## SYSTEM LAYOUT/DESIGN

**Label :**

**Definition**     The definitions/representation of the system sufficient for construction. This definition results from the use of the system design basis, P&I diagrams, specifications and other documentation/information to specify the physical components/items and spatial configuration of the process Plant.

---

**Super Class :**  
SCHEMATIC DIAGRAMS

**Sub Class :**  
<none>

---

## SYSTEM SPECIFICATIONS

**Label :**

**Definition**     Specifications for the major process instrumentation and control equipment items generated from the process definitions.

---

**Super Class :**  
SPECIFICATIONS

**Sub Class :**  
<none>

---

## TECHNICAL RISK ASSESSMENT

**Label :**

**Definition**     Initial hazard and operability studies from the developing conceptual design.

---

**Super Class :**  
SAFETY HAZOPS ANALYSIS

**Sub Class :**  
<none>

---

## TIME/COST ESTIMATES

**Label :**

**Definition**     Projected or forecasted cost and length of time to:  
design, produce, or procure a Plant Item; obtain a service; achieve some goal.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## TYPICAL DESIGN DRAWINGS

**Label :**

**Definition** Information about typical designs e.g. hookup designs

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>

---

## UNIT OPERATIONS

**Label :**

**Definition** Design Basis and Owner Requirements that define basis for conceptual process design.

---

**Super Class :**

DESIGN BASIS

**Sub Class :**

<none>

---

## VENDOR DATA

**Label :** IDEF\_0 AAM

**Definition** Information received from a vendor concerning items being procured from that vendor, usually in the form of drawings, manuals or calculations. This information provides details of design and/or performance characteristics of the procured item.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## VENDOR INSPECTION RESULTS

**Label :**

**Definition** Reports that result from inspection and vendor surveillance activities.

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## VENDOR SUPPLIERS LIST

**Label :**

**Definition** A list of vendors that provide commodities or services to an organization. Kinds or status's of supplier lists include:  
Approved;  
Recommended;

---

**Super Class :**

DOCUMENT TYPE

**Sub Class :**

<none>

---

## WORK MANAGEMENT

**Label :**

**Definition** Information related to work orders, work requests, work permits, resource estimates, work progress and status, maintenance and inspection plans. Workflow management.

---

**Super Class :**

POSC CAESAR RFC 96 - EXAMPLES OF DOCUMENTS

**Sub Class :**

<none>